

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: October 26, 2002, 20:33:11 ; Search time 78 Seconds

(without alignments)
2182.359 Million cell updates/sec

Title: US-09-840-795-18_COPY_78_770

Perfect score: 693
Sequence: 1 atggattgcccaagaataatga.....agcagcagggcgctgaatg 693

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents, NA: *
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PTCUS.COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	ID	Description
1	151.2	21.8	893	US-09-286-529-8	Sequence 8, Appli
2	132.8	19.2	623	US-09-286-529-9	Sequence 9, Appli
3	38.6	5.6	1347	US-09-342-681C-16	Sequence 16, Appli
4	38.6	5.6	4235	US-09-342-681C-18	Sequence 18, Appli
5	32	4.6	2242	US-09-400-742-1	Sequence 1, Appli
6	32	4.6	2242	US-08-618-651A-1	Sequence 1, Appli
7	32	4.6	2242	US-09-215-252-1	Sequence 1, Appli
8	31.8	4.6	3066	US-08-142-439A-1	Sequence 1, Appli
9	31.8	4.6	3066	US-08-869-477-1	Sequence 1, Appli
10	31	4.5	4315	US-08-882-046-3	Sequence 3, Appli
11	31	4.5	4464	US-08-400-159-7	Sequence 3, Appli
12	31	4.5	4483	US-08-611-729A-7	Sequence 7, Appli
13	31	4.5	50341	US-08-247-901C-1	Sequence 1, Appli
14	31	4.5	50341	US-09-075-904-1	Sequence 1, Appli
15	31	4.5	52297	US-09-426-436-1	Sequence 1, Appli
16	31	4.5	52297	US-08-705-557-1	Sequence 1, Appli
17	30.8	4.4	2055	US-09-197-218-1	Sequence 1, Appli
18	30.6	4.4	4403765	US-09-103-840A-2	Sequence 2, Appli
19	30.6	4.4	4411529	US-09-103-840A-1	Sequence 1, Appli
20	30.4	4.4	1408	US-08-222-124-10	Sequence 10, Appli
21	30.4	4.4	1408	US-08-842-657A-10	Sequence 10, Appli
22	30.4	4.4	1414	US-08-222-124-9	Sequence 9, Appli
23	30.4	4.4	1414	US-08-842-657A-9	Sequence 9, Appli
24	30.4	4.4	9840	US-09-534-638-1	Sequence 1, Appli
25	30.4	4.4	15378	US-08-785-420-1	Sequence 1, Appli
26	30.2	4.4	1969	US-08-966-318-4	Sequence 4, Appli
27	30.2	4.4	1969	US-09-216-619-4	Sequence 4, Appli

28	30.2	4.4	2522	US-09-058-389A-1	Sequence 1, Appli
29	30	4.3	7218	US-08-232-463-14	Sequence 14, Appli
30	30	4.3	53526	US-08-658-136-2	Sequence 2, Appli
31	30	4.3	53577	US-08-658-136-1	Sequence 1, Appli
32	29.8	4.3	1050	US-09-459-774-1	Sequence 1, Appli
33	29.8	4.3	48974	US-08-920-422-17	Sequence 17, Appli
34	29.6	4.3	981	US-08-349-696-20	Sequence 20, Appli
35	29.6	4.3	981	US-08-233-009-20	Sequence 20, Appli
36	29.6	4.3	981	US-08-560-231-20	Sequence 20, Appli
37	29.6	4.3	981	US-09-080-704A-20	Sequence 20, Appli
38	29.6	4.3	1343	US-08-718-738-3	Sequence 3, Appli
39	29.6	4.3	1343	US-09-221-844-3	Sequence 3, Appli
40	29.6	4.3	1995	US-08-425-069-3	Sequence 3, Appli
41	29.6	4.3	1995	US-08-317-844B-3	Sequence 3, Appli
42	29.6	4.3	2180	US-07-918-314-3	Sequence 3, Appli
43	29.6	4.3	2900	US-07-918-314-5	Sequence 5, Appli
44	29.4	4.2	3955	US-09-214-278-4	Sequence 4, Appli
45	29.2	4.2	16442	US-08-781-891-208	Sequence 208, App

ALIGNMENTS

RESULT 1	US-09-286-529-8	Sequence 8, Application US/09286529
Patent No. 6257367		
GENERAL INFORMATION:		
APPLICANT: Catherine Tribouley		
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES		
FILE REFERENCE: 1408.003/200130.439c1		
CURRENT APPLICATION NUMBER: US/09/286,529		
CURRENT FILING DATE: 1999-04-05		
NUMBER OF SEQ ID NOS: 25		
SOFTWARE: FastSeq for Windows Version 3.0		
SEQ ID NO 8		
LENGTH: 893		
TYPE: DNA		
ORGANISM: human		
US-09-286-529-8		
Query Match	21.8%;	Score 151.2; DB 4; Length 893;
Best Local Similarity	57.9%;	Pred. No. 3.6e-37;
Matches 287; Conservative	0;	Mismatches 208; Indels 1; Gaps 1;
QY	4	GATTGCCAAGAAATGACTGGACCAATGGGAGGCTGTGCTACCTGCCAACGGTGT 63
DB	151	GATTGCAGCAGCAGGAGATTCAGATTCATGATTCGAAACTGTCTCTGCAACAGTGC 210
QY	64	GGTCTTGACAGAGAGCTATCCAAAGATTGTGTTATGAGAGGGTGAGATGCTACTGC 123
DB	211	GAACCTGGAGATGAGATTGTCACAAAGATGTGCTTGGCTATGGGAGGATGCACAGTGT 270
QY	124	ACAGCTGCTCTCTCTGCGACGATACAAAGACAGCTGGGGCCACCAACAAATGTAGAGTTGC 183
DB	271	GGCCCTGAGAGCCGACCGGTTCAGAGAAAGATGGGCTTCAGAAAGTGAAGCATGT 330
QY	184	ATCACCCTGTGTGTCATCATCTGTTTCAGAGAGTTCAGTACAGTACTCTATAGTCT 243
DB	331	GGGACTGTGCGCTGCTGTAACCGCTTTCAGAGGGCCACTGTCACACACAGTATGCT 390
QY	244	GGTCTGGGAGACTTTTGGCCAGGTTCTTACCAAGACACAGCATTTGGAGGCTTCAGAGAC 303
DB	391	GTCTCGGGGAGCTGCTGCGCAGAGATTTCACGAAAGCCAAACTGGTTGTTTCAAGAC 450
QY	304	CAAGATGATCCCTGTCAGACAGACAGACCCACCTCGAGGTTCAATGTGCTTCAG 363
DB	451	ATGAGTGTGTGCTCTGCGAGAACCCACCTCTCTTCAGAACCACTGTACCAAGCAG 510
QY	364	TTGACCTTAGTGGAGAGCAGATCCACACAGTGGCCCTCAGAGGCGACACTTTTGC 423
DB	511	GTGACCTTTGTGAGATGATCTCTCCACCGTCTCCACCGCTGGGAGACAGCGGTGCTGC 570


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: APPLICANT: West, James
: TITLE OF INVENTION: MAMMALIAN LYSOPHOSPHATIDIC ACID
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Cell Therapeutics, Inc.
: STREET: 201 Elliott Avenue West
: CITY: Seattle
: STATE: Washington
: COUNTRY: U.S.A.
: ZIP: 98119
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" disk, 1.44MB, double side, high density
: COMPUTER: PC Clone (486 microprocessor)
: OPERATING SYSTEM: MS-DOS Version 6.1, Windows
: SOFTWARE: WORD 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/400,742
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/618,651
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Faciszewski, Stephen
: REGISTRATION NUMBER: 36,131
: REFERENCE/DOCKET NUMBER: 1801
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206)282-7100
: TELEFAX: (206)284-6206
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2242
: TYPE: nucleic acid
: STRANDEDNESS: double stranded
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA to mRNA
: HYPOTHETICAL: no
: ANTI-SENSE: no
: FRAGMENT TYPE:
: ORIGINAL SOURCE:
: ORGANISM: homo sapien
: STRAIN:
: INDIVIDUAL ISOLATE:
: DEVELOPMENTAL STAGE:
: HAPLOTYPE:
: TISSUE TYPE: brain
: CELL TYPE:
: CELL LINE:
: ORGANELLE:
: FEATURE:
: NAME/KEY: hUPAATA
:
: US-09-400-742-1
:
: Query Match 4.6%; Score 32; DB 3; Length 2242;
: Best Local Similarity 56.7%; Pred. No. 3.4;
: Matches 59; Conservative 0; Mismatches 45; Indels 0; Gaps 0;
:
: QY 424 CTGCTGACACCTCTCTAGTGGTTTACCTGCGCTTCTGCGCTCTCTCTAC 483
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: DB 352 CTGCTGCTCTCTCTGCTGCTCTCTCTCTCTCTGCGCACCTGTGTCTGCGCCAGT 411
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: QY 484 TGCAGCAGTCTTCAACAGACATTGCCAGCGTGAGGTTTGTCT 527
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: DB 412 GCCAAGTACTTCTCAAGATGGCCTTCAACATGCTGATCCT 455
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:
: RESULT 6
: US-08-618-651A-1
: Sequence 1, Application US/08618651A
: Patent No. 6136964
: GENERAL INFORMATION:
: APPLICANT: Leung, David W.
: APPLICANT: West, James

```

3.1

```

: APPLICANT: Tompkins, Christopher
: TITLE OF INVENTION: MAMMALIAN LYSOPHOSPHATIDIC ACID
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Cell Therapeutics, Inc.
: STREET: 201 Elliott Avenue West
: CITY: Seattle
: STATE: Washington
: COUNTRY: U.S.A.
: ZIP: 98119
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" disk, 1.44MB, double side, high density
: COMPUTER: PC Clone (486 microprocessor)
: OPERATING SYSTEM: MS-DOS Version 6.1, Windows
: SOFTWARE: WORD 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/618,651A
: FILING DATE: 15-Dec-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Faciszewski, Stephen
: REGISTRATION NUMBER: 36,131
: REFERENCE/DOCKET NUMBER: 1801
: TELEPHONE: (206)282-7100
: TELEFAX: (206)284-6206
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2242
: TYPE: nucleic acid
: STRANDEDNESS: double stranded
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA to mRNA
: HYPOTHETICAL: no
: ANTI-SENSE: no
: FRAGMENT TYPE:
: ORIGINAL SOURCE:
: ORGANISM: homo sapien
: STRAIN:
: INDIVIDUAL ISOLATE:
: DEVELOPMENTAL STAGE:
: HAPLOTYPE:
: TISSUE TYPE: brain
: CELL TYPE:
: CELL LINE:
: ORGANELLE:
: FEATURE:
: NAME/KEY: hUPAATA
:
: US-08-618-651A-1
:
: Query Match 4.6%; Score 32; DB 3; Length 2242;
: Best Local Similarity 56.7%; Pred. No. 3.4;
: Matches 59; Conservative 0; Mismatches 45; Indels 0; Gaps 0;
:
: QY 424 CTGCTGACACCTCTCTAGTGGTTTACCTGCGCTTCTGCGCTCTCTCTAC 483
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: DB 352 CTGCTGCTCTCTCTGCTGCTCTCTCTCTCTCTGCGCACCTGTGTCTGCGCCAGT 411
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: QY 484 TGCAGCAGTCTTCAACAGACATTGCCAGCGTGAGGTTTGTCT 527
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
: DB 412 GCCAAGTACTTCTCAAGATGGCCTTCAACATGCTGATCCT 455
: ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:
: RESULT 7
: US-09-215-252-1
: Sequence 1, Application US/09215252
: Patent No. 6300487
: GENERAL INFORMATION:
: APPLICANT: LEUNG, David W.
: APPLICANT: ADUREL, Daniel
: APPLICANT: HOLLENBACK, David
: TITLE OF INVENTION: MAMMALIAN LYSOPHOSPHATIDIC ACID ACYLTRANSFERASE
: FILE REFERENCE: 077319/0151
: CURRENT APPLICATION NUMBER: US/09/215,252

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/142,439
FILING DATE: 24-NOV-93
APPLICATION NUMBER: DK 398/92
FILING DATE: 25-MAR-92
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/00697
FILING DATE: 23-MAR-93
ATTORNEY/AGENT INFORMATION:
NAME: Harrington, James J.
REGISTRATION NUMBER: 38,711
REFERENCE/DOCKET NUMBER: 3756, 204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212 867 0123
TELEFAX: 212 867 0298
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3066 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHEetical: NO
ORIGINAL SOURCE:

[illegible]

DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-08-247-901C-1

Query Match 4.5%; Score 31; DB 1; Length 50341;
Best Local Similarity 51.0%; Pred. No. 31;
Matches 73; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 372 AGTGGAGCGAGATGACACCCACAGTGCCTCAGAGAGCCACACTGTTGCACTGTGAG 431
|| ||||| | | ||||| | ||||| | ||||| | ||||| |
DB 30829 AGGGGAGCGATTGCTGACGCGCAAGGCCCTACCGGAGCACGCTTGAGAGACTGATCAA 30770
QY 432 CAGCCGCTAGTGTGTTTACCTGGCCCTTCTGGGGCTTCTTCTCTACTGCAAGCA 491
|| || | | | | | | | | | | | | | | | | | | | |
DB 30769 GCGGCTGAAGAGCTGCCCCCAAGGGGCTTGTCAGCCAGCACTTGGGGGCAACAGCCG 30710
QY 492 GTTCTTCAACAGACATTGCCAGC 514
| | | | | | | | | | | | | | | | | | | | | |
DB 30709 GATCATGCTGCACCATTAACAGC 30687

RESULT 14
US-09-075-904-1/C
Sequence 1, Application US/09075904
Patent No. 5994137

GENERAL INFORMATION:
APPLICANT: Jacobs, et al.
TITLE OF INVENTION: L5 SHUTTLE PHASMIDS
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amster, Rothstein & Ebenstein
STREET: 90 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Processor (ASCII)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/075,904
FILING DATE: May 11, 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/247,901
FILING DATE: May 23, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Bogosian, Elizabeth A
REGISTRATION NUMBER: 39,911
REFERENCE/DOCKET NUMBER: 96700/475
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 697-5995
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 50341
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: L5 shuttle phasmid sequence
HYPOTHETICAL: NO
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM: L5 mycobacteriophage
STRAIN:
INDIVIDUAL ISOLATE:

DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
FEATURE:

NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION:
PUBLICATION INFORMATION: NO. 5994137e
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
PAGES:
DATE:

DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-09-075-904-1

Query Match 4.5%; Score 31; DB 2; Length 50341;
Best Local Similarity 51.0%; Pred. No. 31;
Matches 73; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 372 AGTGGAGCGAGATGACACCCACAGTGCCTCAGAGAGCCACACTGTTGCACTGTGAG 431
|| ||||| | | ||||| | ||||| | ||||| | ||||| |
DB 30829 AGGGGAGCGATTGCTGACGCGCAAGGCCCTACCGGAGCACGCTTGAGAGACTGATCAA 30770
QY 432 CAGCCGCTAGTGTGTTTACCTGGCCCTTCTGGGGCTTCTTCTCTACTGCAAGCA 491
|| || | | | | | | | | | | | | | | | | | | | |
DB 30769 GCGGCTGAAGAGCTGCCCCCAAGGGGCTTGTCAGCCAGCACTTGGGGGCAACAGCCG 30710
QY 492 GTTCTTCAACAGACATTGCCAGC 514
| | | | | | | | | | | | | | | | | | | | | |
DB 30709 GATCATGCTGCACCATTAACAGC 30687

RESULT 15
US-09-426-436-1/C
Sequence 1, Application US/09426436
Patent No. 6225066

GENERAL INFORMATION:
APPLICANT: William R. Jacobs, Jr.
APPLICANT: Barry R. Bloom
TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
TITLE OF INVENTION: REPORTER MYCOBACTERIOPHAGES
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amster, Rothstein & Ebenstein
STREET: 90 Park Avenue
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Processor (ASCII)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/426,436
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/705,557

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: FILING DATE:
: APPLICATION NUMBER: US/08/057,531
: FILING DATE:
: APPLICATION NUMBER: 07/833,431
: FILING DATE: February 7, 1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Pasqualini, Patricia A.
: REGISTRATION NUMBER: 34,894
: REFERENCE/DOCKET NUMBER: 96700/238
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 697-5995
: TELEFAX: (212) 286-0854 or 286-0082
: TELEX: TWX 710-581-4766
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 52297
: TYPE: nucleotide
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE:
: DESCRIPTION: phage genome sequence
: HYPOTHETICAL: no
: ANTI-SENSE: no
: FRAGMENT TYPE: not applicable.
: ORIGINAL SOURCE:
: ORGANISM: mycobacteriophage L5
: STRAIN: not applicable
: INDIVIDUAL ISOLATE: L5
: DEVELOPMENTAL STAGE: not applicable
: HAPLOTYPE: not applicable
: TISSUE TYPE: not applicable
: CELL LINE: not applicable
: ORGANELLE: not applicable
: IMMEDIATE SOURCE: mycobacteriophage L5 particles
: POSITION IN GENOME: entire genome
: FEATURE:
: NAME/KEY:
: LOCATION:
: IDENTIFICATION METHOD:
: OTHER INFORMATION:
: PUBLICATION INFORMATION:
: AUTHORS: Hatfull and Sarkis
: TITLE: DNA Sequence, Structure and Gene
: TITLE: Expression of Mycobacteriophage L5:
: TITLE: A Phage System for Mycobacterial
: TITLE: Genetics
: JOURNAL: Molecular Microbiology
: VOLUME: 7
: PAGES: 395-405
: DATE: 1993
: US-09-426-436-1

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Query Match          4.5%; Score 31; DB 4; Length 52297;
Best Local Similarity 51.0%; Pred. No. 32;
Matches 73; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 372 AGTGAGCAGATGCACCCAGTGCCTCCGAGAGGCCACACTTGTGCACTGAG 431
   |||||||
Db 30726 AGGGAGGCAATGCCCTGACGGCAGCCCTACCGGACACAGGTTGAGGAACATCAA 30667
   |||||

QY 432 CAGCTGTAGTGTCTTACCTGCGCTCCGAGGCTCTCTCTACTGCAAGCA 491
   |||||
Db 30666 GCGCTGAGAGAGCTGCCCAAGAGGCTTGTGTCAGCCAGCACTTGGGGGCAACAGCCG 30607
   |||||

QY 492 GTTCTCAACAGACATTCGACG 514
   |||||
Db 30606 GATCATCGTCACCACTTACAAGC 30584

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Search completed: October 27, 2002, 02:42:37
 Job time : 154 secs